REGISTRATION FORM

HPC/SCC For Bridge and Infrastructure Applications
Two-Day Workshop

Sponsored by the Rutgers, The State University of New Jersey,
Federal Highway Administration (FHWA),
and New Jersey Department of Transportation (NJDOT)
October 3-4, 2006

Name (Please Print)_____

Job Title_____

Company Name_____

Address_____

City_____State_____Zip Code_____

Daytime Phone_____

Fax_____

e-mail_____@_____

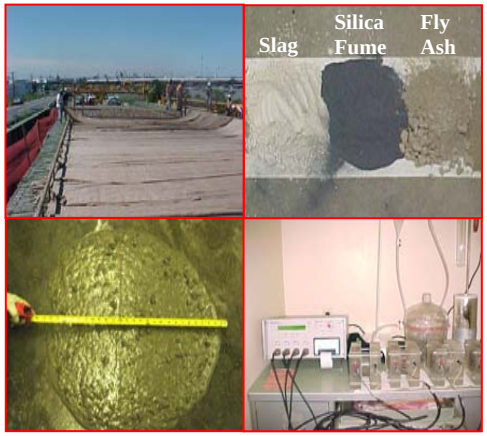
Signature:_____

Please make check(s) payable to "SCC/HPC Workshop-Rutgers University". Please fill out and return this form to:

HPC/SCC Workshop
Attention: Prof. Hani Nassif
Department of Civil & Environmental Engineering
Rutgers, The State University of New Jersey
623 Bowser Road, Piscataway, NJ 08854-8014
FAX: (732) 445-0577
Email: nassif@rci.rutgers.edu

HPC/SCC Workshop For Bridge and Infrastructure Applications
Dept. of Civil & Environmental Engineering
Rutgers, The State University of New Jersey
623 Bowser Road, Piscatway, NJ 08854-8014

HPC/SCC
Two-Day Workshop



Sponsored by

THE STATE UNIVERSITY OF NEW JERSEY
RUTGERS

U.S. Department of Transportation
Federal Highway Administration

New Jersey
Department of Transportation

October 3-4, 2006
Multi Purpose Room
Busch Student Center
Rutgers University
604 Bartholomew Rd.
Piscataway, New Jersey

GENERAL

High Performance Concrete (HPC) has been used in the design and construction of many bridges throughout the United States. Structural engineers have long sought practical courses and workshops on the successful use and implementation of HPC in infrastructure applications. Moreover, Self-Consolidating Concrete (SCC) (also referred to as Self-Compacting Concrete) was first developed in Japan in the 1990s for bridge building and tunnel construction. It is an emerging technology that does not require vibration to achieve full compaction. It has been used in many European countries providing less construction noise, speedy construction, and cost savings. Also, advances in admixture technology made the production of SCC possible, especially in producing architectural structural shapes not achievable in conventional concrete. However, there are no standard test methods to ensure quality control. Many State and federal organizations, companies, research institutions, and Universities are working on addressing a number of issues related to material behavior, testing methods, and applications for SCC.

The Federal Highway Administration together with, the New Jersey Department of Transportation, and Rutgers, The State University of New Jersey, are inviting you to attend a 2-day workshop on HPC and SCC. The objective of this two-day workshop is to help disseminate information on the use of HPC in bridge decks and other structural elements and to assist Engineers, Consultants, and Contractors in understanding the behavior and properties of SCC. The workshop provides a forum for the transfer of knowledge and experiences that can be used to improve the quality of concrete bridges and other infrastructure facilities. A variety of topics related to HPC and SCC will be covered as shown in the tentative agenda below. Participants will learn from the experience and insight of well-known speakers involved in HPC as well as SCC design, testing, fabrication, and construction.

DESCRIPTION

The workshop will be in the form of formal presentation and panel discussions. It will take place in the *Multi-Purpose Room, at the Busch Campus*, Rutgers University, Piscataway, NJ. The workshop is designed to update Structural Engineers, Supplier, and Producers on the use of SCC and HPC in the design of bridges and other infrastructure facilities. Panel discussion will include representative from Local State Departments of Transportation (NJ, PA, MD, VA, DE, NY) and agencies (NJTA and Port Authority of NY & NJDOT, and NYSDOT), as well as experiences from contractors and suppliers. Moreover, initial implementation of SCC projects (e.g., prestressed SCC girders and SCC drilled shafts) will be presented.

TENTATIVE WORKSHOP OUTLINE

Day one (Tuesday, October 3, 2006):

Continental Breakfast/ Registration 7:30–8:30

I. Welcome/Introduction 8:30–8:45
Helene Bowman, FHWA
Dick Dunne, NJDOT
Hani Nassif, Rutgers University

II. Implementation of HPC Bridge Tech. In USA 8:45–9:05
Lou Triandafilou, FHWA

III. Panel Discussion I–Local State Implementation 9:05–10:05
Dick Dunne, NJDOT
Frank Corso, NJTA
Don Streeter, NYDOT
Casmir Bognacki, Port Authority of NY & NJ

Coffee Break 10:05–10:30

IV. HPC in Virginia 10:30–10:55
Celik Ozyildirim, Virginia Transportation Council

V. Development of HPC for Trans. Struct. 10:55–11:20
Hani Nassif, Rutgers University

VI. Guide Specification for HPC Bridges 11:20–11:45
Shri Bhide, PCA

VII. Exhibit & Display (Intl. and Fireside Lounge) 11:45-12:15

Lunch 12:15-1:15

VII. State DOT Measures for Mitigation of Deck Cracking 1:15–1:45
Lou Triandafilou, FHWA

VIII. Panel Discussion II – Success Stories 1:45 – 3:00
Bryan Spangler, PENN DOT
Aly Hussein, SCDOT
Paul Finnerty, MDOT
Jim Pappas, DEDOT
Celik Ozyildirim, Virginia Transportation Council

Coffee Break 3:00 - 3:15

IX. Panel Discussion III – Supplier/Contractor 3:15 – 4:15
John Clearwater

Adjourn 4:15

Day Two (Wednesday, October 4, 2006):

Continental Breakfast/ Registration 7:30 - 8:30

I. Introduction 8:30 – 8:45
Myint Lwin, FHWA
Hani Nassif, Rutgers University

II. Introduction to SCC and Federal Efforts 8:45 – 9:15
Lou Triandafilou, FHWA

III. Mix Proportions of SCC 9:15 – 9:45
Charles Nmai, Degussa

Coffee Break 9:45-10:10

IV. Prestressed SCC Girder 10:10–11:10
Paul Zia, North Carolina State University
Clay Naito, Lehigh University
Bryan Spangler, PENN DOT

V. SCC Testing Methods 11:10-11:45
Celik Ozyildirim, Virginia Transportation Council
Kamal Khayat, University of Sherbrooke

VI. Exhibit & Display (Intl. and Fireside Lounge) 11:45-12:15

Lunch 12:15-1:15

VII. SCC Drilled Shafts 1:15-1:55
Anton Schindler, Auburn University

VIII. Precaster Prospective on SCC 1:55-2:35
TBA

Coffee Break 2:35 - 2:55

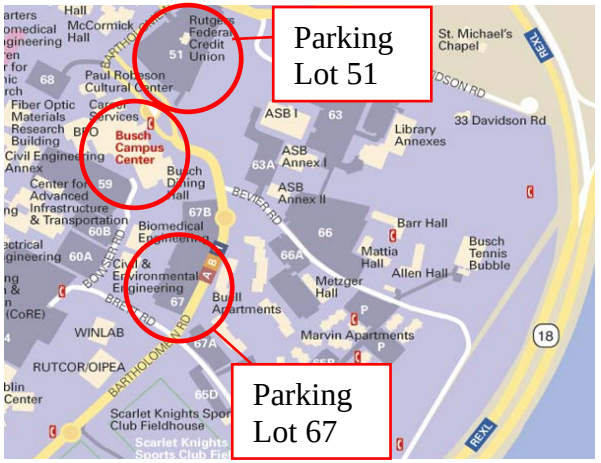
IX. Panel Discussion 2:55 – 4:15
- Specifications
- Quality Control and Assurance
- Construction/Fabrication

Adjourn 4:15

MAPS & DIRECTIONS

From New Jersey Turnpike (North or South)

Turn off at Exit 9, bear right after the tollbooths and follow signs for "Route 18 North – New Brunswick." Stay to the left to continue on Route 18 North. Proceed along Route 18 North, crossing the Raritan River (approximately 3.7 miles). Continue on Route 18 North. Proceed up Route 18 to the Campus Road exit ramp on the right. Follow Campus Road until you come to the circle and take the first right off the circle onto Bartholomew Road. Continue on Bartholomew Road and the Busch Campus Center will be on your left. Parking is allowed in Lots 51 and 67.



For more detials and information on the location of the workshop, local hotels and rates, please visit Rutgers' website for Interactie maps:
http://maps.rutgers.edu/maps/
http://www.rutravel.rutgers.edu/hotelrates2006.html

REGISTRATION AND FEES

Registration fees are being kept as low as possible to help ensure a larger audience. Registration will be on first-accepting basis and the number of participants will be limited to 200 only. The fee covers two lunches, two continental breakfasts, and four coffee breaks. Refunds will not be made. However, companies are allowed to send subsitutes. First 20 registrated FHWA participants will be free of charge. Space for exhibits is limited to 10 only.

Participants	Registration Fees
DOT, FHWA, and Students	$ 125.00
Private Sector*	$ 300.00
Exhibits **	$ 1500.00

* Including Universities, ** includes two participants